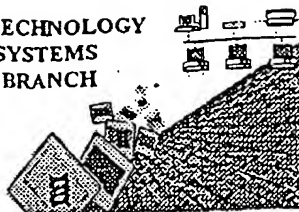




BIOTECHNOLOGY  
SYSTEMS  
BRANCH



05237.0003. CPUSOP

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/660,893  
Source: IFW9  
Date Processed by STIC: 7/1/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

~~TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER~~  
~~VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND~~  
~~TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:~~

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

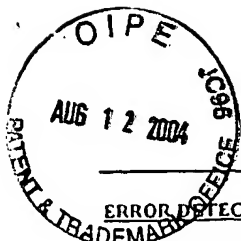
REC'D HOWREY SIMON ARNOLD & WHITE

JUL 16 2004

DOCKETED

Missing Parts  
Original due date  
reopened.

BA 7/21/04



## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 10/660,893

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length     The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII     The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length     Sequence(s)          contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)         . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)     Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
                    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                    (ii) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading).  
                    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                    This sequence is intentionally skipped  
  
                    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)     Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence.  
                    <210> sequence id number  
                    <400> sequence id number  
                    000
- 9      Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                    In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10    Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      Use of <220>     Sequence(s)          missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
                    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n/Xaa     "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC - Biotechnology Systems Branch - 09/09/2003

BEST AVAILABLE COPY



IFWO

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/660,893

DATE: 07/01/2004  
TIME: 13:09:23

Input Set : A:\New Link, 0003.ST25.txt  
Output Set : N:\CRF4\07012004\J660893.raw

3 <110> APPLICANT: Link, Charles  
5 <120> TITLE OF INVENTION: Methods and Compositions for Elucidating Protein Expression  
6 Profiles in Cells  
8 <130> FILE REFERENCE: 05237.0003.CPUS00  
10 <140> CURRENT APPLICATION NUMBER: US 10/660,893  
11 <141> CURRENT FILING DATE: 2003-09-12  
13 <160> NUMBER OF SEQ ID NOS: 5  
15 <170> SOFTWARE: PatentIn version 3.2  
17 <210> SEQ ID NO: 1  
18 <211> LENGTH: 9  
19 <212> TYPE: PRT  
20 <213> ORGANISM: Synthetic  
22 <400> SEQUENCE: 1  
24 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala  
25 1 5  
28 <210> SEQ ID NO: 2  
29 <211> LENGTH: 10  
30 <212> TYPE: PRT  
31 <213> ORGANISM: Synthetic  
33 <400> SEQUENCE: 2  
35 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu  
36 1 5 10  
39 <210> SEQ ID NO: 3  
40 <211> LENGTH: 8  
41 <212> TYPE: PRT  
42 <213> ORGANISM: Synthetic  
44 <400> SEQUENCE: 3  
46 Asp Tyr Lys Asp Asp Asp Asp Lys  
47 1 5  
50 <210> SEQ ID NO: 4  
51 <211> LENGTH: 375  
52 <212> TYPE: DNA  
53 <213> ORGANISM: Synthetic  
56 <220> FEATURE:  
57 <221> NAME/KEY: misc\_feature  
58 <222> LOCATION: (3)..(4)  
59 <223> OTHER INFORMATION: n is a, c, g, or t  
61 <220> FEATURE:  
62 <221> NAME/KEY: misc\_feature  
63 <222> LOCATION: (8)..(8)  
64 <223> OTHER INFORMATION: n is a, c, g, or t  
66 <220> FEATURE:  
67 <221> NAME/KEY: misc\_feature

*invalid (213) response. See item 10 on Error Summary sheet.*  
**Does Not Comply  
Corrected Diskette Needed**  
*pp 1-2*  
*same error*

REC'D HOWREY SIMON ARNOLD &amp; WHITE

JUL 16 2004

## RAW SEQUENCE LISTING

DATE: 07/01/2004

PATENT APPLICATION: US/10/660,893

TIME: 13:09:23

Input Set : A:\New Link, 0003.ST25.txt

Output Set: N:\CRF4\07012004\J660893.raw

```

68 <222> LOCATION: (350)..(350)
69 <223> OTHER INFORMATION: n is a, c, g, or t
71 <220> FEATURE:
72 <221> NAME/KEY: misc_feature
73 <222> LOCATION: (358)..(374)
74 <223> OTHER INFORMATION: n is a, c, g, or t
76 <400> SEQUENCE: 4
-> 77 ttnnccgnga aagctcctcg cccttgctca ccatgggatg ccatttccta ggtctgcctc 60
79 ttggcggttt ttctccaatg gtctctgctt tcttctgggc tgctttagag gggctcttgt 120
81 ttttgcgtgcc ttgggtctt cctctgggtc tcttaggaga gggctcacag gttggctctt 180
83 gctgctgctt cctgggtcgg ccgcgtctc gcttctgtgg caccggggcg gcagggtgtc 240
85 cctgggctga tgtggacggc tgcccggcgc cctcaccgcg tgcgctcatc ctgcctcccg 300
-> 87 ccgcgctac cactgcctct cttttttttt tttttttttt tttttgaaan ccccgggnnn 360
-> 89 nnnnnnnnnn nnnnc 375
92 <210> SEQ ID NO: 5
93 <211> LENGTH: 333
94 <212> TYPE: DNA
95 <213> ORGANISM: Synthetic
98 <220> FEATURE:
99 <221> NAME/KEY: misc_feature
100 <222> LOCATION: (3)..(3)
101 <223> OTHER INFORMATION: n is a, c, g, or t
103 <220> FEATURE:
104 <221> NAME/KEY: misc_feature
105 <222> LOCATION: (11)..(11)
106 <223> OTHER INFORMATION: n is a, c, g, or t
108 <220> FEATURE:
109 <221> NAME/KEY: misc_feature
110 <222> LOCATION: (106)..(106)
111 <223> OTHER INFORMATION: n is a, c, g, or t
113 <220> FEATURE:
114 <221> NAME/KEY: misc_feature
115 <222> LOCATION: (116)..(116)
116 <223> OTHER INFORMATION: n is a, c, g, or t
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <222> LOCATION: (168)..(168)
121 <223> OTHER INFORMATION: n is a, c, g, or t
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <222> LOCATION: (179)..(179)
126 <223> OTHER INFORMATION: n is a, c, g, or t
128 <220> FEATURE:
129 <221> NAME/KEY: misc_feature
130 <222> LOCATION: (204)..(204)
131 <223> OTHER INFORMATION: n is a, c, g, or t
133 <220> FEATURE:
134 <221> NAME/KEY: misc_feature
135 <222> LOCATION: (221)..(221)

```

## RAW SEQUENCE LISTING

DATE: 07/01/2004

PATENT APPLICATION: US/10/660,893

TIME: 13:09:23

Input Set : A:\New Link, 0003.ST25.txt

Output Set: N:\CRF4\07012004\J660893.raw

136 <223> OTHER INFORMATION: n is a, c, g, or t  
138 <220> FEATURE:  
139 <221> NAME/KEY: misc\_feature  
140 <222> LOCATION: (224)..(224) ✓  
141 <223> OTHER INFORMATION: n is a, c, g, or t  
143 <220> FEATURE:  
144 <221> NAME/KEY: misc\_feature  
145 <222> LOCATION: (231)..(231) ✓  
146 <223> OTHER INFORMATION: n is a, c, g, or t  
148 <220> FEATURE:  
149 <221> NAME/KEY: misc\_feature ✓  
150 <222> LOCATION: (254)..(254)  
151 <223> OTHER INFORMATION: n is a, c, g, or t  
153 <220> FEATURE:  
154 <221> NAME/KEY: misc\_feature ✓  
155 <222> LOCATION: (272)..(272)  
156 <223> OTHER INFORMATION: n is a, c, g, or t  
158 <220> FEATURE:  
159 <221> NAME/KEY: misc\_feature  
160 <222> LOCATION: (275)..(275) ✓  
161 <223> OTHER INFORMATION: n is a, c, g, or t  
163 <220> FEATURE:  
164 <221> NAME/KEY: misc\_feature  
165 <222> LOCATION: (282)..(282) ✓  
166 <223> OTHER INFORMATION: n is a, c, g, or t  
168 <220> FEATURE:  
169 <221> NAME/KEY: misc\_feature  
170 <222> LOCATION: (285)..(286) ✓  
171 <223> OTHER INFORMATION: n is a, c, g, or t  
173 <220> FEATURE:  
174 <221> NAME/KEY: misc\_feature ✓  
175 <222> LOCATION: (289)..(289)  
176 <223> OTHER INFORMATION: n is a, c, g, or t  
178 <220> FEATURE:  
179 <221> NAME/KEY: misc\_feature ✓  
180 <222> LOCATION: (292)..(293)  
181 <223> OTHER INFORMATION: n is a, c, g, or t  
183 <220> FEATURE:  
184 <221> NAME/KEY: misc\_feature ✓  
185 <222> LOCATION: (296)..(296)  
186 <223> OTHER INFORMATION: n is a, c, g, or t  
188 <220> FEATURE:  
189 <221> NAME/KEY: misc\_feature ✓  
190 <222> LOCATION: (299)..(299)  
191 <223> OTHER INFORMATION: n is a, c, g, or t  
193 <220> FEATURE:  
194 <221> NAME/KEY: misc\_feature ✓  
195 <222> LOCATION: (301)..(301)  
196 <223> OTHER INFORMATION: n is a, c, g, or t

## RAW SEQUENCE LISTING

DATE: 07/01/2004

PATENT APPLICATION: US/10/660,893

TIME: 13:09:23

Input Set : A:\New Link, 0003.ST25.txt

Output Set: N:\CRF4\07012004\J660893.raw

```

198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <222> LOCATION: (304)..(304)
201 <223> OTHER INFORMATION: n is a, c, g, or t
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (306)..(308)
206 <223> OTHER INFORMATION: n is a, c, g, or t
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
210 <222> LOCATION: (311)..(311)
211 <223> OTHER INFORMATION: n is a, c, g, or t
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (326)..(327)
216 <223> OTHER INFORMATION: n is a, c, g, or t
218 <220> FEATURE:
219 <221> NAME/KEY: misc_feature
220 <222> LOCATION: (329)..(329)
221 <223> OTHER INFORMATION: n is a, c, g, or t
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (331)..(331)
226 <223> OTHER INFORMATION: n is a, c, g, or t
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <222> LOCATION: (333)..(333)
231 <223> OTHER INFORMATION: n is a, c, g, or t
233 <400> SEQUENCE: 5
> 234 tcngcgacca nctctcgcc cttgtccacc atgggatgct cccggtggtg ggtcggtggt 60
> 236 ccctgggcag ggggtctccaa atcccgagc agccccc aaa tgaaanaccc ccgtcntggg 120
> 238 tagtcaatca ctcagaggag accctcccaa ggaacagcga gaccactntt cggatgcana 180
> 240 cagcaagagg ctttattggg aatnccggta cccgggagac ncantctatc ngaagactgg 240
> 242 cgttattttt tttntttttt ttttttgaat tncnngggac anccnnctna gnttanctnc 300
> 244 nctntnnnct nccctcctta cttctnntnt ntn 333

```

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 07/01/2004  
PATENT APPLICATION: US/10/660,893      TIME: 13:09:24

Input Set : A:\New Link, 0003.ST25.txt  
Output Set: N:\CRF4\07012004\J660893.raw

ase Note:

of n and/or Xaa have been detected in the Sequence Listing. Please review the  
uence Listing to ensure that a corresponding explanation is presented in the <220>  
<223> fields of each sequence which presents at least one n or Xaa.

#:4; N Pos. ~~3,4,8,350,358,359,360,361,362,363,364,365,366,367,368,369~~

#:4; N Pos. ~~370,371,372,373,374~~

#:5; N Pos. ~~8,11,106,116,108,179,204,221,224,231,254,272,275,282,285,286~~

#:5; N Pos. ~~289,292,293,296,299,301,304,306,307,308,311,326,327,329,331~~

#:5; N Pos. 383

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/660,893

DATE: 07/01/2004

TIME: 13:09:24

Input Set : A:\New Link, 0003.ST25.txt

Output Set: N:\CRF4\07012004\J660893.raw

7 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
7 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:300  
9 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:360  
34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:60  
38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:120  
40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:180  
42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:240  
44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:300